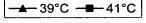
FIG. 1A

Comparison of Fluorescence Intensity of sperm stained with 20uM Hoechst 33342 at 39°C & 41°C



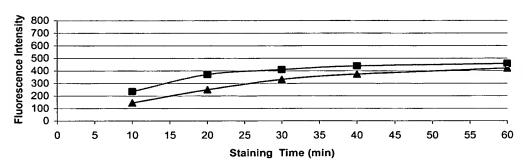
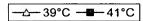


FIG. 1B

Comparison of Fluorescence Intensity of sperm stained with 30uM Hoechst 33342 at 39°C & 41°C



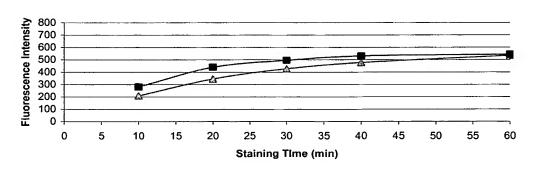


FIG. 1C

Comparison of Fluorescence Intensity of sperm stained with 57uM Hoechst 33342 at 39°C & 41°C

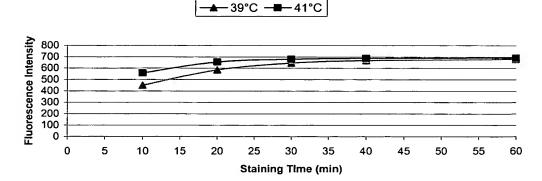


FIG. 1D

Comparison of Fluorescence Intensity of sperm stained with 85uM Hoechst 33342 at 39°C & 41°C

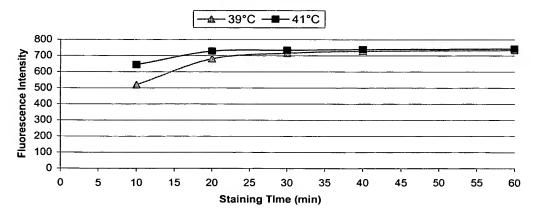


FIG. 2A

Comparison of Flourescence Intesity of sperm stained with 20uM Hoechst 33342 at 39°C & 41°C

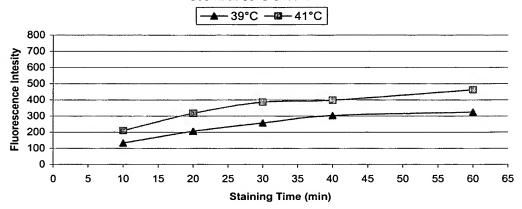


FIG. 2B

Comparison of Flourescence Intesity of sperm stained with 30uM Hoechst 33342 at 39°C & 41°C

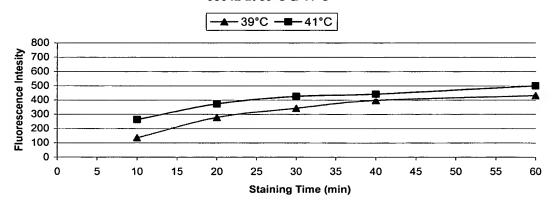


FIG. 2C

Comparison of Flourescence Intesity of sperm stained with 40uM Hoechst 33342 at 39°C & 41°C

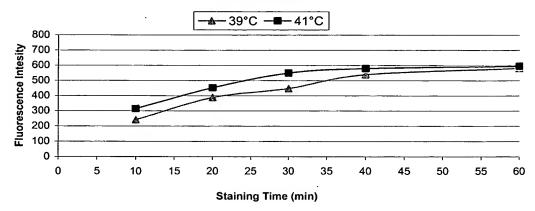


FIG. 2D

Comparison of Flourescence Intesity of sperm stained with 60uM Hoechst 33342 at 39°C & 41°C

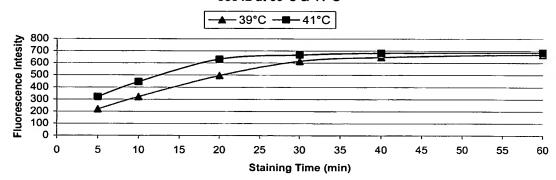


FIG. 3A

Comparison of Fluorescence Intensity of sperm stained with 20uM Hoechst 33342 at 39°C & 43°C

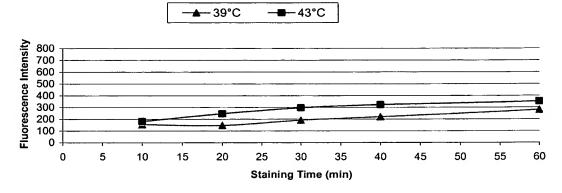


FIG. 3B

Comparison of Fluorescence Intensity of sperm stained with 30uM Hoechst 33342 at 39°C & 43°C

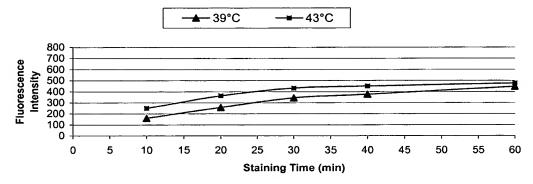


FIG. 3C

Comparison of Fluorescence Intensity of sperm stained with 40uM Hoechst 33342 at 39°C & 43°C

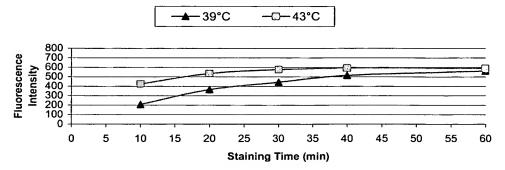


FIG. 3D

Comparison of Fluorescence Intensity of sperm stained with 60uM Hoechst 33342 at 39°C & 43°C

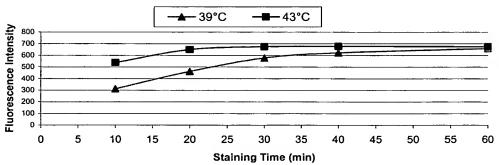


FIG. 4A

Comparison of Fluorescence for Sperm Stained with 80uM MON 33342 at 39°C & 43°C

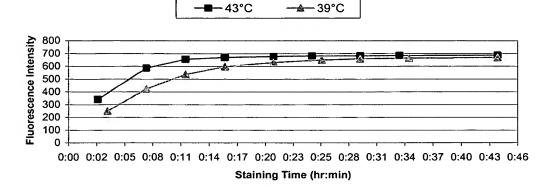


FIG. 4B

Comparison of Fluorescence for Sperm Stained with 100uM Hoechst 33342 at 39°C & 43°C

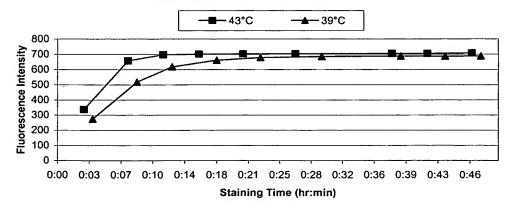


FIG. 5A

Comparison of Fluorescence Intensity of sperm stained with 80uM Hoechst 33342 at 39°C & 45°C

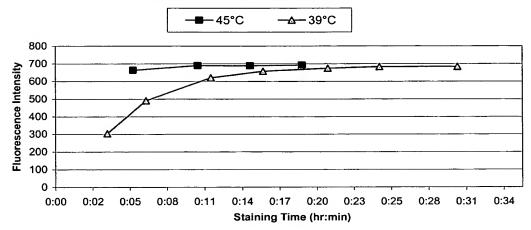


FIG. 5B

Comparison of Fluorescence Intensity of sperm stained with 100uM Hoechst 33342 at 39°C & 45°C

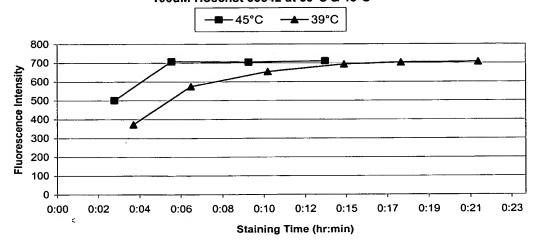


FIG. 6A



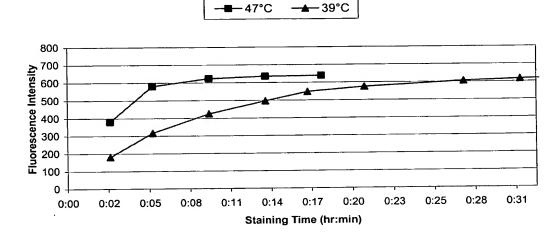


FIG. 6B

Comparison of Fluorescence Intensity of sperm stained with 150uM Hoechst 33342 @ 39°C & 43°C

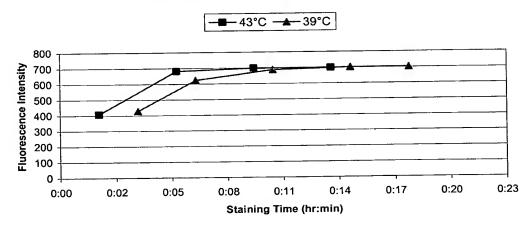


FIG. 7A



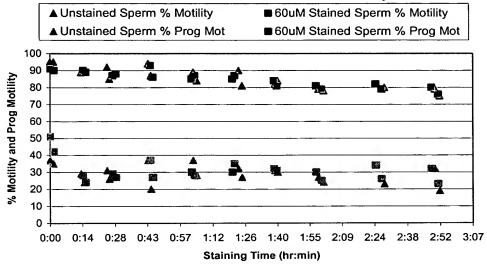


FIG. 7B

Comparison of IVOS % Motility and % Prog Mot @ 43°C of Unstained and 60uM Hoechst 33342 Stained Sperm

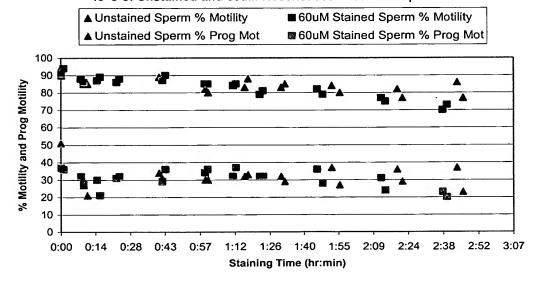


FIG. 8A

Comparison of IVOS % Motility and % Prog Mot @ 39°C of Unstained and 60uM Hoechst 33342 Stained Sperm

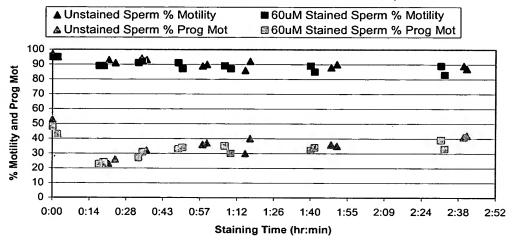


FIG. 8B



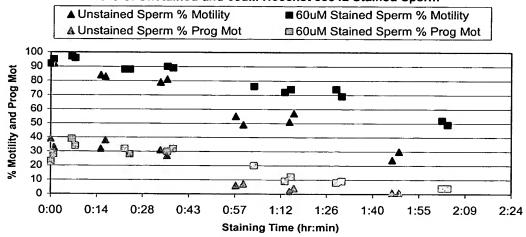


FIG. 9A

Comparison of IVOS % Motility and % Prog Mot @ 41°C of Unstained Sperm and 80uM Hoechst 33342 Stained Sperm

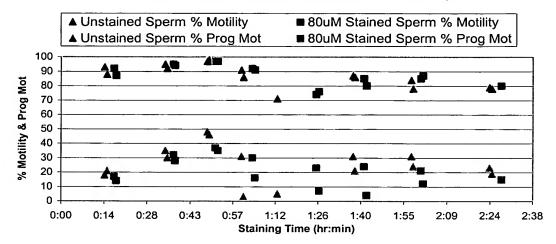
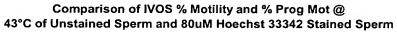


FIG. 9B



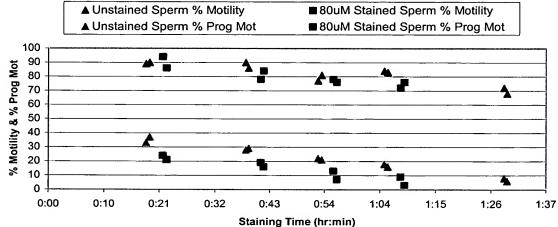


FIG. 9C

Comparison of IVOS % Motility and % Prog Mot @ 45°C of Unstained Sperm and 80uM Hoechst 33342 Stained Sperm

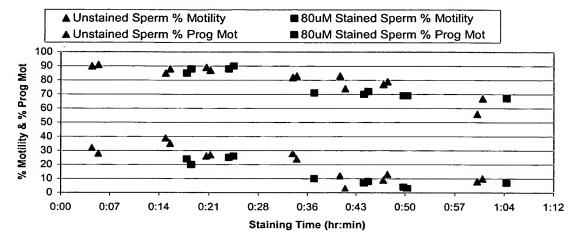


FIG. 10A



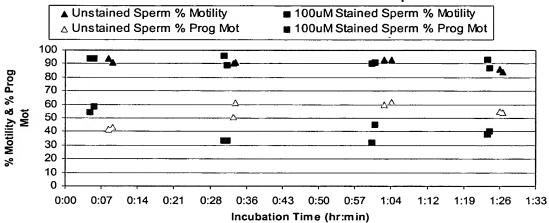


FIG. 10B

Comparison of IVOS % Motility and % Prog Mot @ 43°C of Unstained Sperm and 100uM Hoechst 33342 Stained Sperm

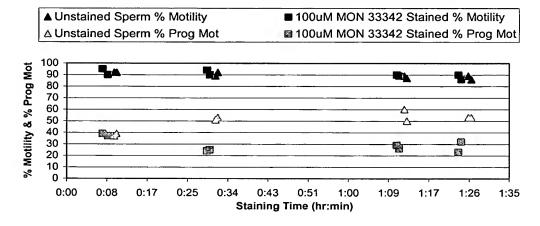


FIG. 10C



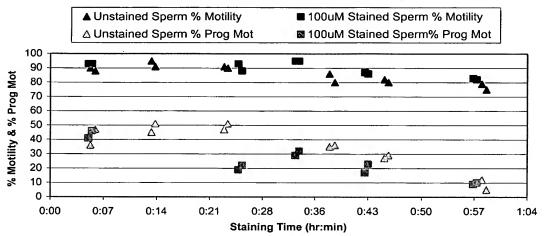


FIG. 11

Comparison of IVOS % Motility and % Prog Mot @ 47°C of Unstained and 100uM Hoechst 33342 Stained Sperm

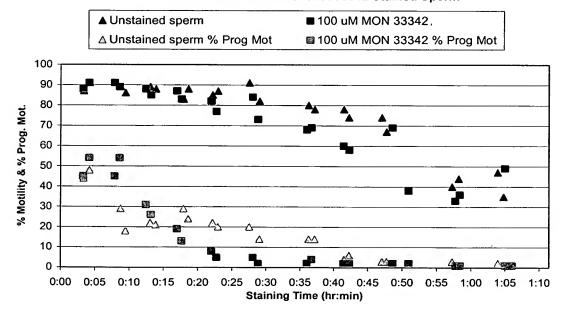


FIG. 12



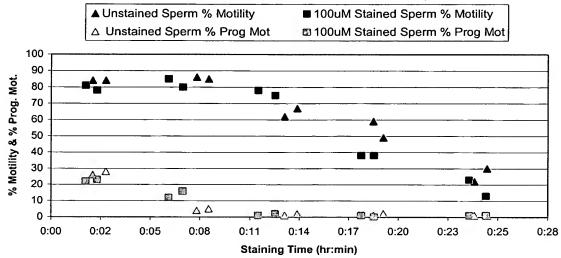


FIG. 13A

Comparison of IVOS % Motility and % Prog Mot @ 43°C of Unstained and 125uM Hoechst 33342 Stained Sperm

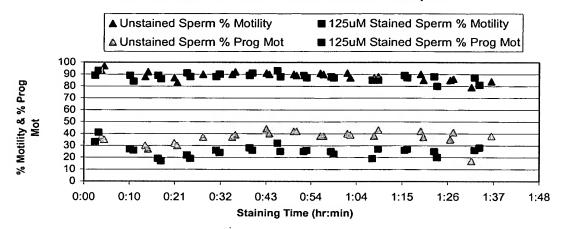


FIG. 13B

Comparison of IVOS % Motility and % Prog Mot @ 43°C of Unstained and 150uM Hoechst 33342 Stained Sperm

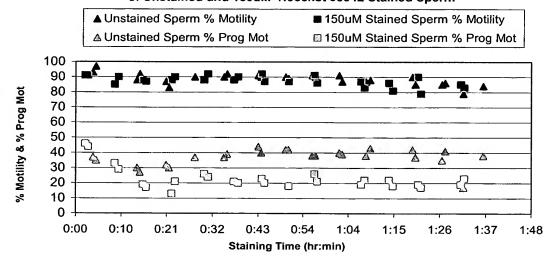


FIG. 14A

Comparison of IVOS % Motility and % Prog Mot @ 43°C of 200uM Hoechst 33342 Stained Sperm

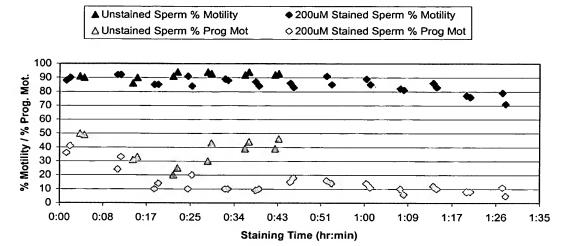


FIG. 14B

Comparison of IVOS % Motility and % Prog Mot @ 43°C of 250uM Hoechst 33342 Stained Sperm

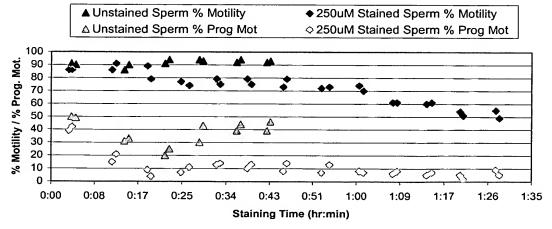


FIG. 15A

Comparison of IVOS % Motility and % Prog Mot @ 45°C of 125uM Hoechst 33342 Stained Sperm

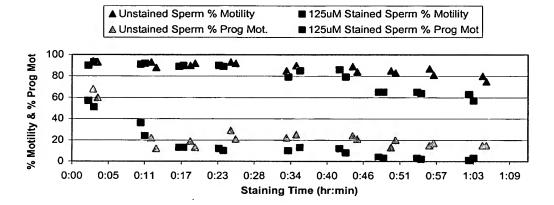


FIG. 15B

Comparison of IVOS % Motility and % Prog Mot @ 45°C of 150uM Hoechst 33342 Stained Sperm

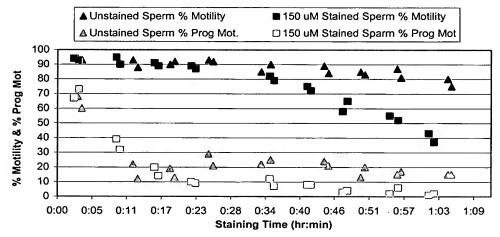


FIG. 16A

Comparison of IVOS % Motility and % Prog Mot @ 45°C of 200uM Hoechst 33342 Stained Sperm

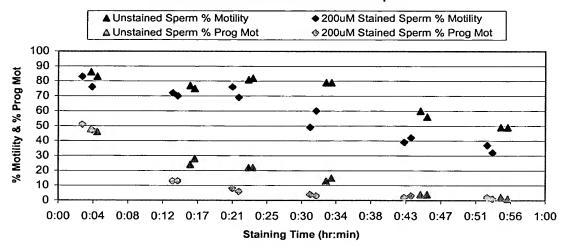


FIG. 16B

Comparison of IVOS % Motility and % Prog Mot @ 45°C of 250uM Hoechst 33342 Stained Sperm

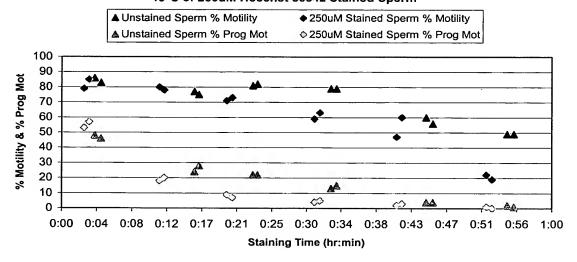


FIG. 16C

Comparison of IVOS % Motility and % Prog Mot @ 45°C of 300uM Hoechst 33342 Stained Sperm

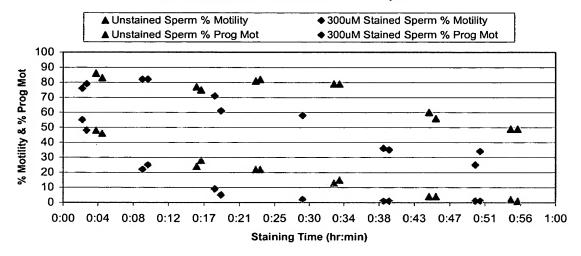


FIG. 17A

Comparison of IVOS %Motility and % Prog Mot @ 43°C of 300uM Hoechst 33342 Stained Sperm

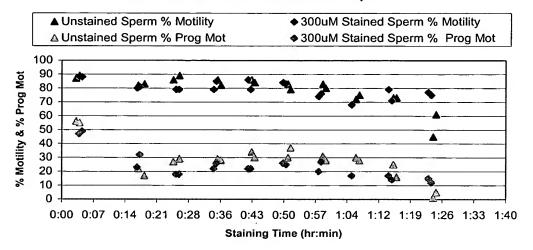


FIG. 17B

Comparison of IVOS %Motility and % Prog Mot @ 43°C of 350uM Hoechst 33342 Stained Sperm

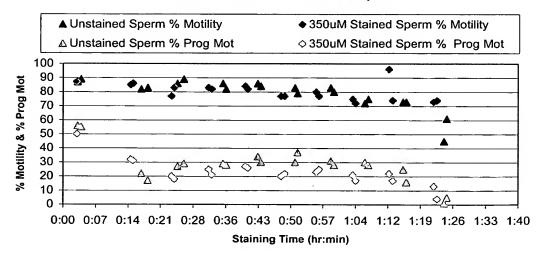


FIG. 17C

Comparison of IVOS %Motility and % Prog Mot @ 43°C of 400uM Hoechst 33342 Stained Sperm

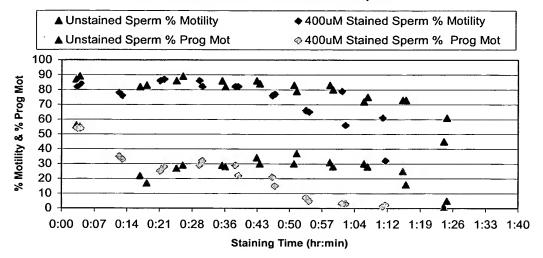


FIG. 18A

Comparison of IVOS % Motility and % Prog Mot @ 43°C of Unstained and 0.6 uM SYBR 14 Stained Sperm



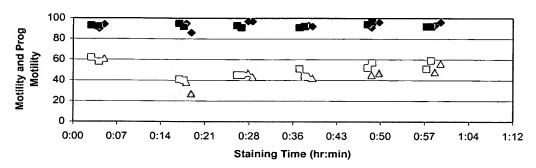


FIG. 18B

Comparison of IVOS % Motility and % Prog Mot @ 43°C of Unstained and 6.0 uM SYBR 14 Stained Sperm

▲ Unstained Sperm % Motility

△ Unstained Sperm % Prog Mot

■ 6.0 uM Stained Sperm % Motility

■ 6.0 uM Stained Sperm % Prog Mot

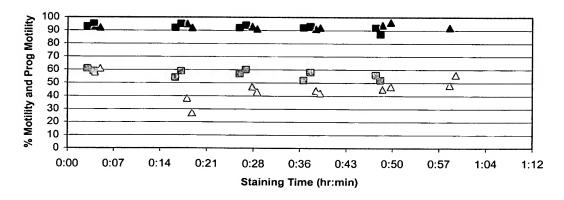


FIG. 18C

Comparison of IVOS % Motility and % Prog Mot @ 43°C of Unstained and 60 uM SYBR 14 Stained Sperm

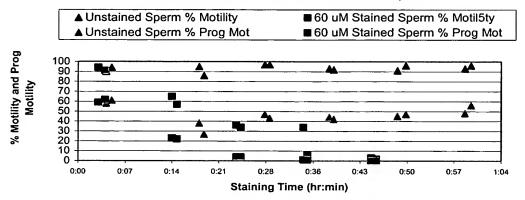


FIG. 19A

Comparison of Fluorescence Intensity of sperm stained with 6uM SYBR 14 @ 39°C and 45°C

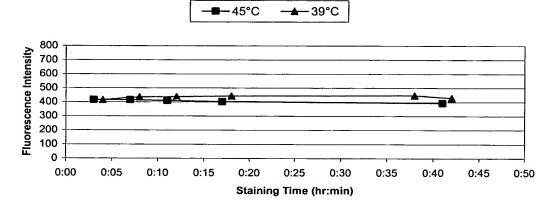
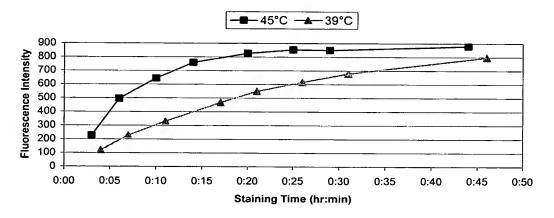
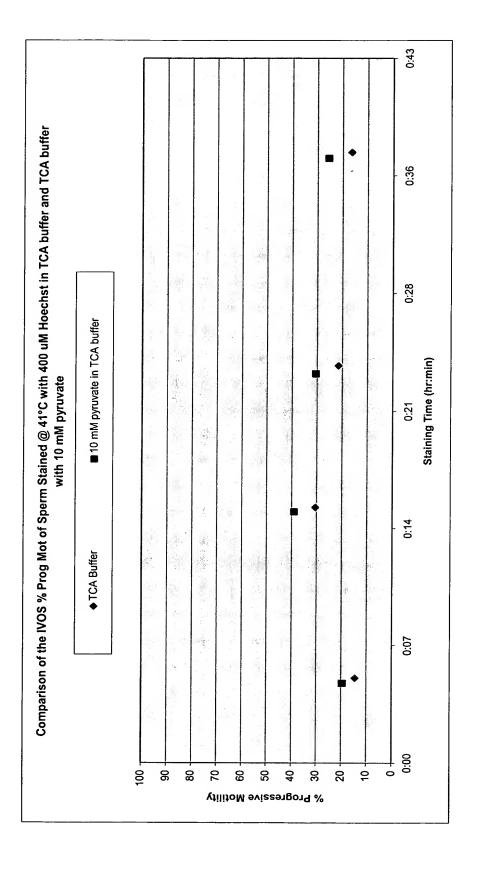


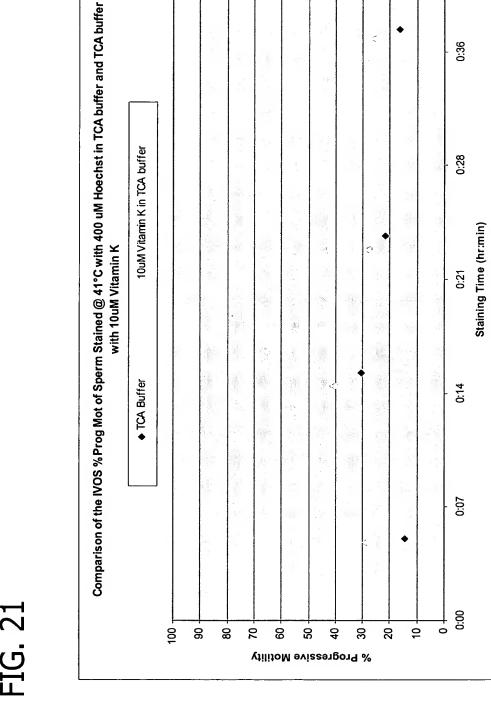
FIG. 19B

Comparison of Fluorescence Intensity of sperm stained with 100uM BBC @ 39°C & 45°C

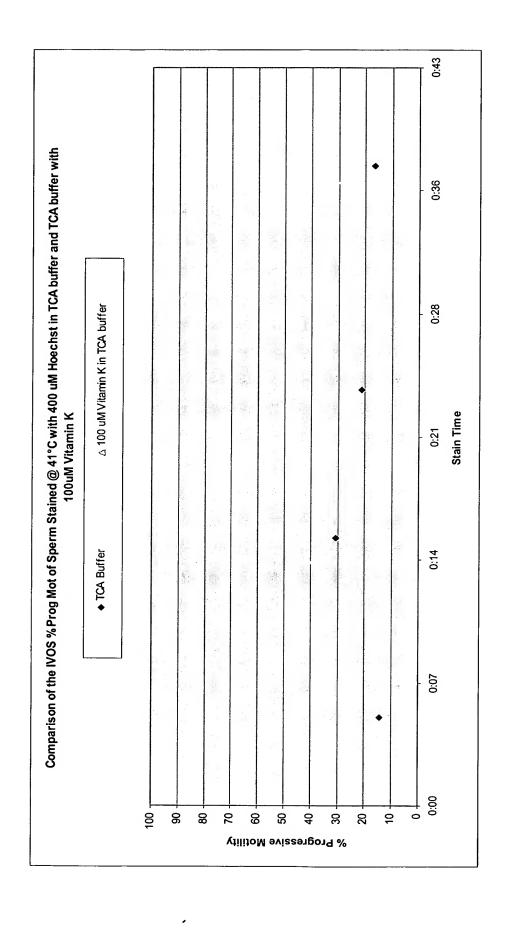


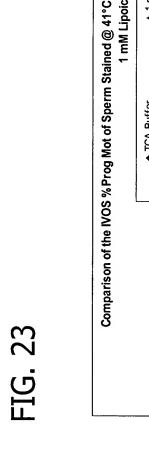












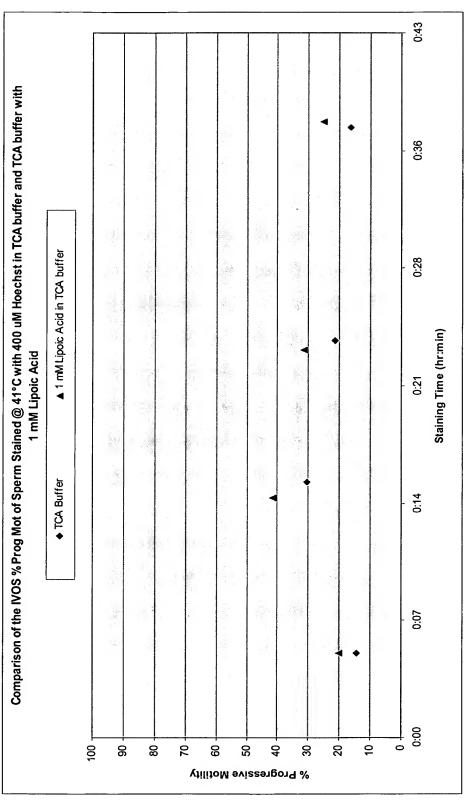


FIG. 24

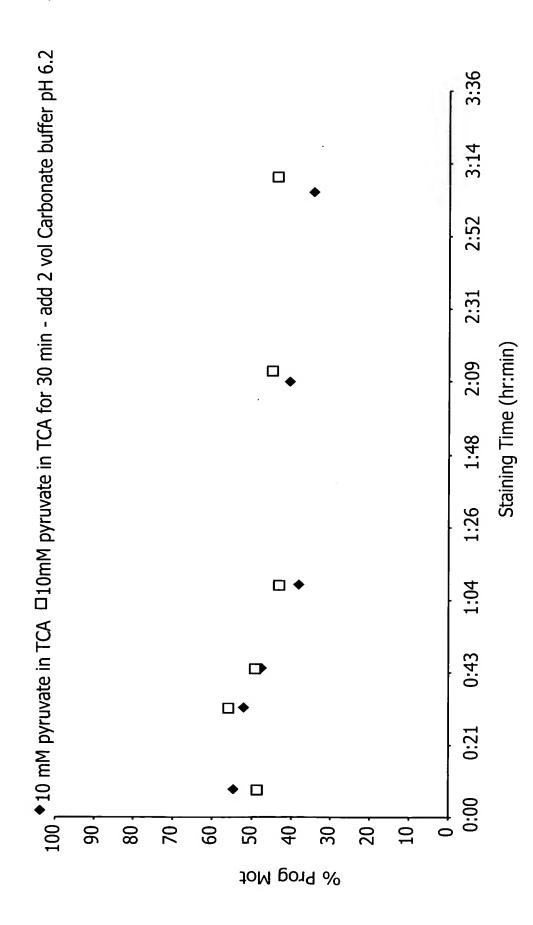
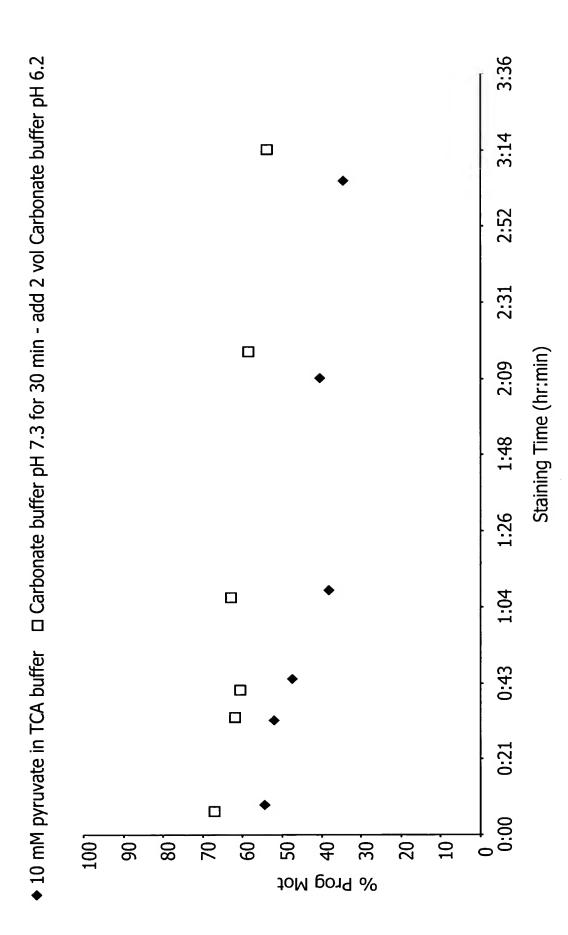


FIG. 25



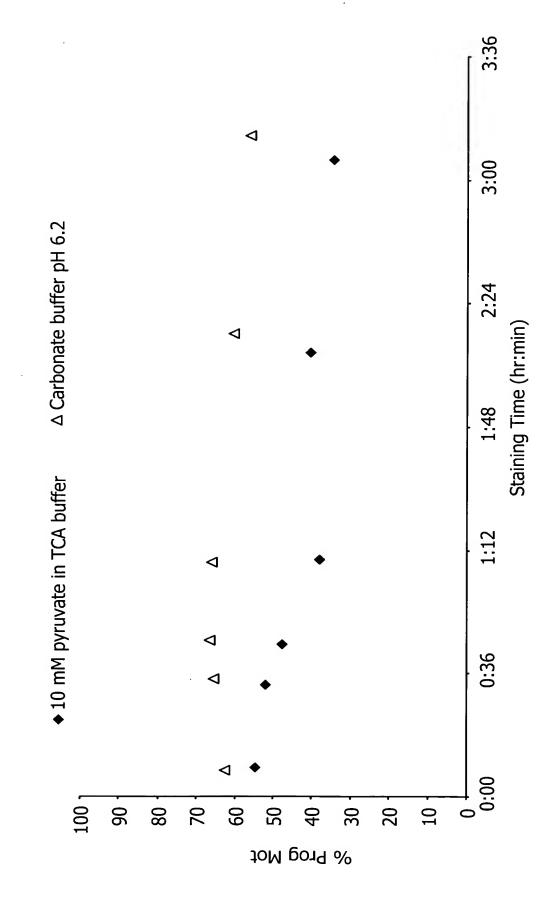


FIG. 26